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## The Lived Experience of Wearable Diabetes Technology for Adolescents with Type 1 Diabetes and Caregivers

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Radu, Simona (2021). The Lived Experience of Wearable Diabetes Technology for Adolescents with Type 1 Diabetes and Caregivers. Postgraduate Research Poster Competition, The Open University.

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# The Lived Experience of Wearable Diabetes Technology for Adolescents with Type 1 Diabetes and Caregivers

Simona Radu  
simona.radu@open.ac.uk  
Supervisors:  
Prof. Elizabeth Daniel  
Dr. Xia Zhu



Image Credit: Canva Creative Commons

## Wearable Diabetes Technology (WDT)

WDT such as insulin pumps and continuous glucose monitors augment treatment, improve outcomes and reduce the burden of diabetes (Allen and Gupta, 2019). WDT has predominantly been examined in areas such as clinical health and technological design.

A service marketing and public management perspective could provide insights into how value emerges from the customer's situated realities.

## Value in experience

Value is a top marketing priority and key metric for success (Vargo and Lusch, 2004; Grönroos, 2008; Osborne, 2017).

Exploring value in experience involves looking at the experience lived within the customers' world in relation to time, space, people and their body.

### References:

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Grönroos, C. & Svensson, G. (2008) Service logic revisited: who creates value? And who co-creates? *European Business Review*, 20(4), 298-314  
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Osborne, S. P. (2017) From public service-dominant logic to public service logic: are public service organizations capable of co-production and value co-creation? *Public Management Review*, 20(2), 225-231  
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Research project informed by an Advisory Phase with adolescents and caregivers:

*'So we can't wait until all of us are adults, we haven't got time for that' (Research Advisor, age 11)*

*'It's really important for teenagers or children to have their voices heard about what they think and about how their experience with diabetes has been' (Research Advisor, age 12)*

## Type 1 Diabetes

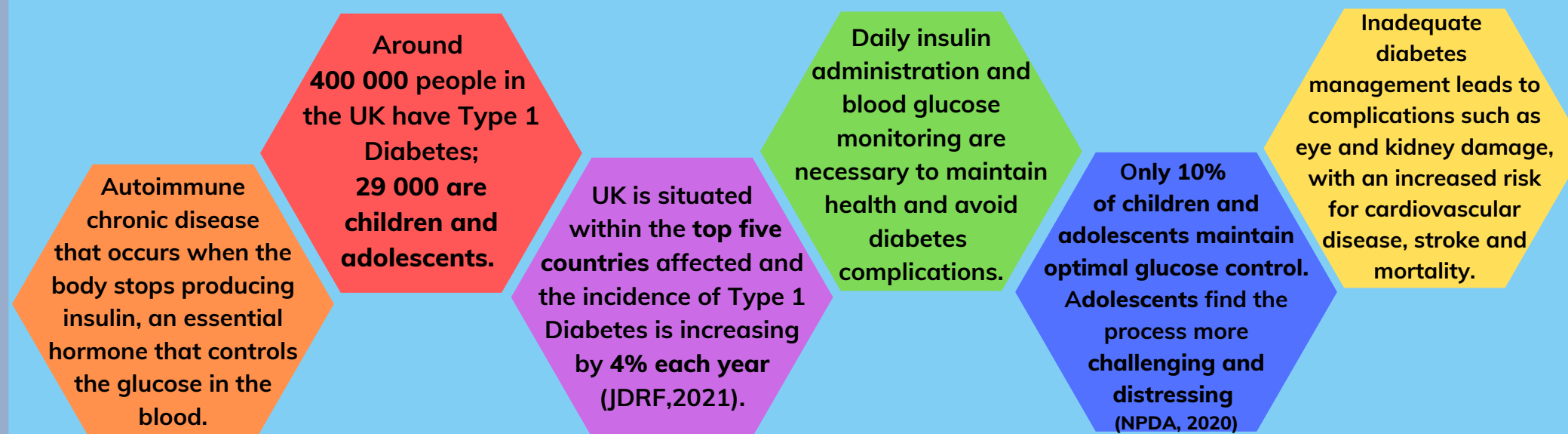


Image Credit: Canva Creative Commons

## Project Aims

This project aims to explore:

1. The phenomenon of wearable diabetes technology lived within the social, embodied, spatial and temporal realities of adolescents.
2. Value emerging from this experience and how it leaves adolescents 'better off' or 'worse off' (Grönroos, 2008).
3. The role of wearable diabetes technology for adolescents and caregivers.

## Implications

- Inform strategic planning with implications for theory, policy and practice.
- Advise healthcare providers on how to offer optimised service that aligns with the goals and needs of adolescents and caregivers.

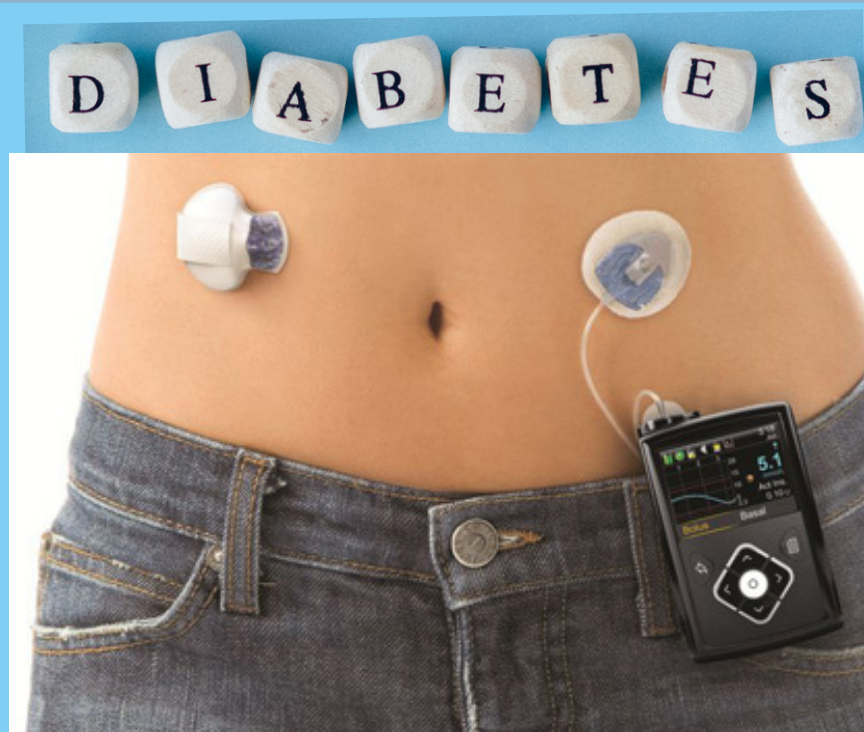


Image Credit: Diabetes Research and Wellness Foundation

## Methods

Data collection was informed by the Advisory Phase of this project. Twenty adolescents and ten caregivers will be invited to choose between:

- online semi-structure interviews
- written diaries.

